Develop a media streaming with IBM cloud video streaming using functions

from flask import Flask, render\_template, Response

import cv2

app = Flask(\_\_name\_\_)

def generate\_frames():

# Replace 'your\_video\_file.mp4' with the path to your video file

cap = cv2.VideoCapture('your\_video\_file.mp4')

while True:

success, frame = cap.read()

if not success:

break

else:

ret, buffer = cv2.imencode('.jpg', frame)

frame = buffer.tobytes()

yield (b'--frame\r\n'

b'Content-Type: image/jpeg\r\n\r\n' + frame + b'\r\n')

cap.release()

@app.route('/')

def index():

return render\_template('index.html')

@app.route('/video\_feed')

def video\_feed():

return Response(generate\_frames(), mimetype='multipart/x-mixed-replace; boundary=frame')

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True) <!-- templates/index.html -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Video Streaming</title>

</head>

<body>

<h1>Video Streaming</h1>

<img src="{{ url\_for('video\_feed') }}" width="640" height="480" />

</body>

</html>

pip install Flask opencv-python

ibmcloud cf push your-app-name -b python\_buildpack